

# **CPUC Sponsored Submetering Phase 1 Pilot Submeter MDMA & Investor Owned Utility (IOU) Preparatory Workshop**

**Wednesday July 23, 2014**

(Revised by IOUs July 28, 2014 and CPUC-ED August 1, 2014)

# Agenda

- Pilot Life Cycle (Chetna Nanjappa - SCE)
- Customer Enrollment Process (Chetna Nanjappa)
- Submeter MDMA Process (JC Martin – SDG&E)
- Incentive Payment Process (Corey Mayers – PG&E)
- Phase 1 & 2 Pilots Timeline (Corey Mayers)
- Independent Evaluator Solicitation (Corey Mayers)
- IOU Points of Contact (Chetna Nanjappa)
- Q & A (Chetna Nanjappa)

# Pilot Life Cycle

# Phase 1 PEV Submeter Pilot Lifecycle Overview



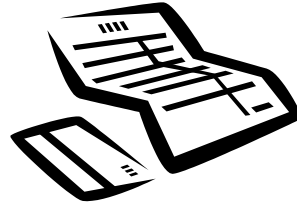
## Enrollment

- Submeter MDMA submits Notice of Participation on 07.11.14
- CPUC Energy Division approves registration
- IOU tests Submeter MDMA submeter interval usage data transfer
- Customer accepts Submeter MDMA pilot service



## Pilot

- Pilot begins 09.1.14
- Submeter MDMA submits Customer Enrollment Agreement
- IOU approves customer participation & effective date
- Submeter MDMA installs submeter
- Submeter MDMA collects customer submeter interval usage data
- Submeter MDMA transmits submeter interval usage data to IOU
- IOU primary meter measures combined house/facility & PEV interval usage data



## Billing

- IOU receives primary meter & submeter interval usage data
- IOU Billing subtracts submeter usage from primary meter usage
- IOU sends customer bill for house/facility and PEV submeter usage
- Submeter MDMA receives a courtesy copy of the PEV submeter bill when authorized by the customer



## Incentives

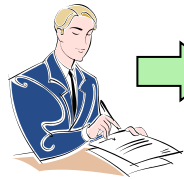
- Submeter MDMA Account**
  - Submeter MDMA submits IOU account set-up information
- Customer Enrollment Incentive**
  - Submeter MDMA submits Customer Enrollment Agreement
  - IOU approves customer enrollment
  - IOU processes \$210 customer enrollment payment
  - Submeter MDMA receives payment within 60 days after enrollment
- Submeter MDMA Monthly Services Incentive**
  - Submeter MDMA submits submeter interval usage data
  - IOU processes \$17.50 payment for monthly data received in compliance with Pilot requirements
  - Submeter MDMA receives payment within 60 days after first two successful billing cycles and 30 days thereafter



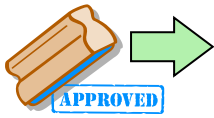
## Close-out

- IOU notifies customer & Submeter MDMA of pending end to pilot participation
- IOU sends customer final pilot house/facility & PEV submeter bill
- IOU sends Submeter MDMA final PEV submeter pilot bill, if authorized
- IOU closes PEV account
- IOU bills future combined house/facility & PEV usage on otherwise applicable tariff (OAT)

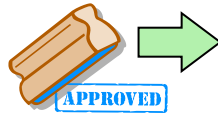
# Phase 1 PEV Submeter Pilot Lifecycle – Enrollment



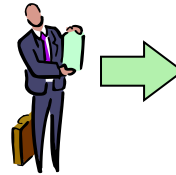
1. Submeter MDMA submits Registration Agreement to CPUC Energy Division (ED)



2. CPUC/ED approves registration and informs IOUs and Submeter MDMA's



3. IOU tests and confirms Submeter MDMA's ability to format and transmit submeter interval usage data is confirmed



4. Submeter MDMA finds customers for pilot, installs equipment, as needed



5. Submeter MDMA sends completed Customer Enrollment Agreement for each customer to IOU to enroll them in pilot and to request PEV rate



6. IOU completes set-up of PEV submetering account and approves customer enrollment



7. IOU informs customer and Submeter MDMA of its earliest possible pilot effective start date which is independent of Submeter MDMA equipment installation date.

# Phase 1 PEV Submeter Pilot Lifecycle – Pilot



## SUBMETER MDMA OPERATIONS



8. Submeter MDMA's embedded or stand-alone submeter records only PEV charging interval usage data

### Illustrative Customer Usage:

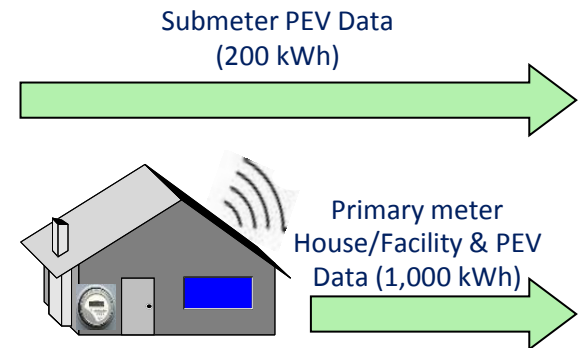
Primary meter reads 1,000 kWh

- House/Facility usage = 800 kWh
- PEV charging usage = 200 kWh



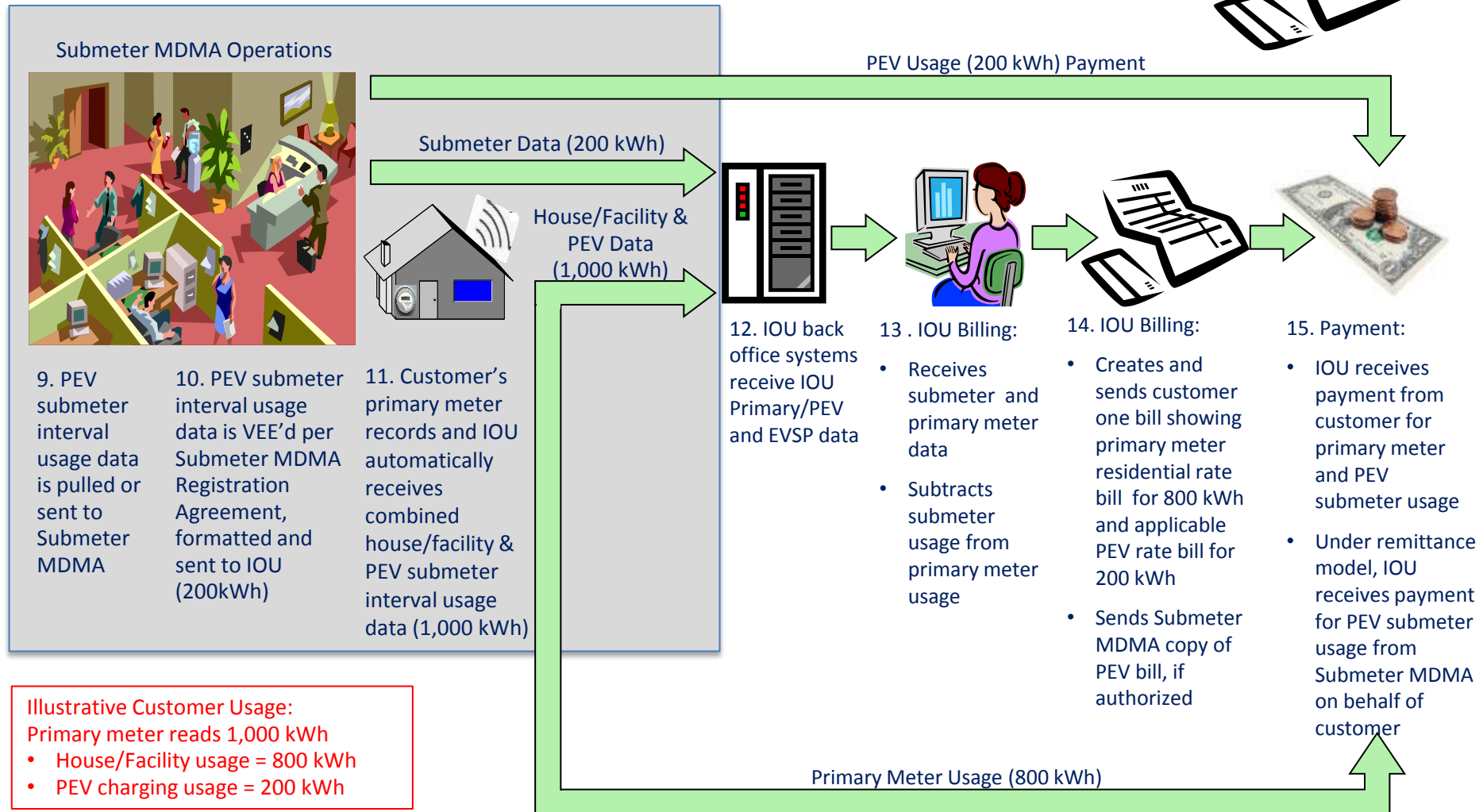
9. PEV submeter interval usage data is pulled or sent to Submeter MDMA

10. PEV submeter interval usage data is VEE'd per Submeter MDMA Registration Agreement, formatted and sent to IOU daily (200kWh)



11. Customer's primary meter records and IOU automatically receives combined house/facility and PEV submeter interval usage data (1,000 kWh)

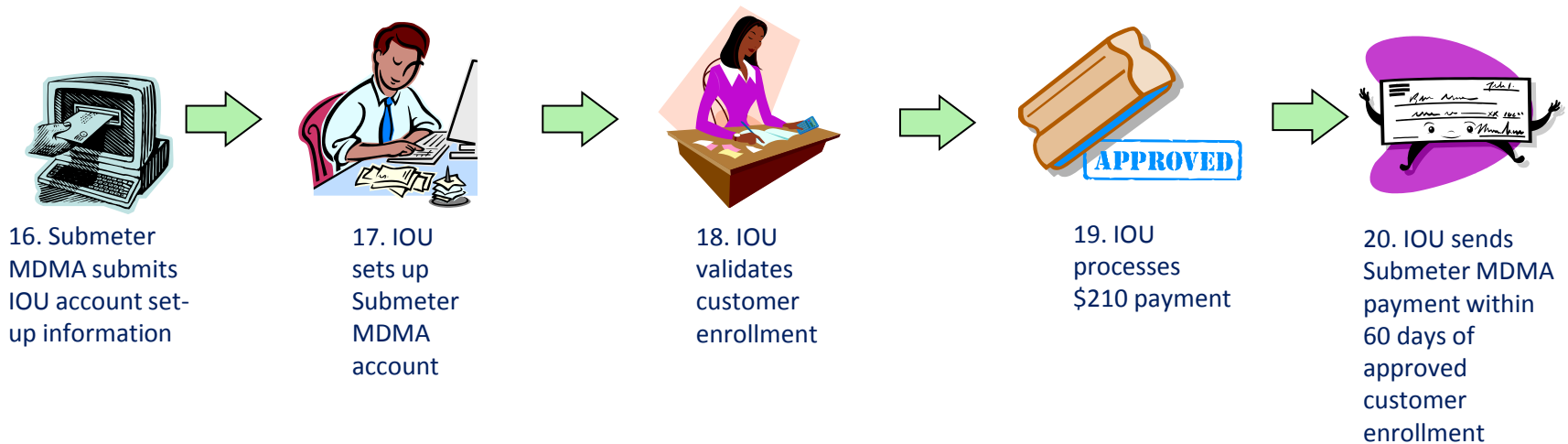
# Phase 1 PEV Submeter Pilot Lifecycle – Billing



# Phase 1 PEV Submeter Pilot Lifecycle – Incentives



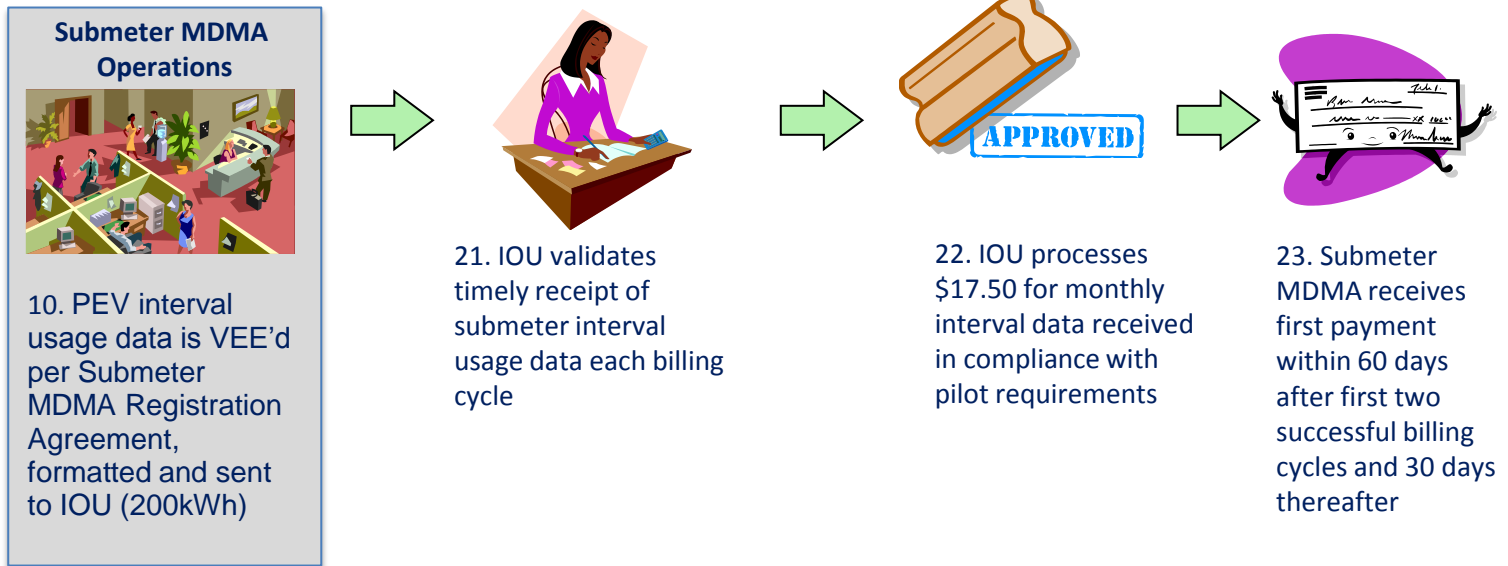
## CUSTOMER ENROLLMENT INCENTIVE (\$210 ONE-TIME PAYMENT)



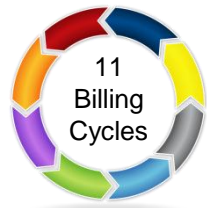


# Phase 1 PEV Submeter Pilot Lifecycle – Incentives

## SUBMETER MDMA SERVICES INCENTIVE (\$17.50 MONTHLY PAYMENT)



# Phase 1 PEV Submeter Pilot Lifecycle – Close-Out



24. Customer completes 11 billing cycles in submetering pilot



25. IOU notifies customer & Submeter MDMA after 11<sup>th</sup> billing cycle of pending end to pilot participation



- Sends customer house/facility & PEV final pilot bill for 12<sup>th</sup> and final submetering pilot billing cycle
- Sends Submeter MDMA copy of PEV bill, if authorized



## 27. IOU closes PEV submetering account after 12<sup>th</sup> billing cycle



## Pre-Pilot Tariff

## Submetering Pilot Tariffs



# Customer Enrollment Process

# Submeter MDMA Will Qualify Customer For Pilot

- Customers served by Submeter MDMA using remittance model and participating in the following programs are NOT ELIGIBLE for the Pilot:
  - Level Pay Plan: Customers pay a consistent monthly payment amount based on the average of their last 12 months energy bills.
  - Direct Payment: Customers' monthly utility bill payment is drawn directly from their bank account on a recurring basis, typically 10 days after the bill is generated.

Note: Customers already enrolled in these plans can elect to unenroll for the duration of their participation in this Pilot.
- Customers served by Submeter MDMA not using remittance model and participating on any of the above Plans ARE ELIGIBLE for the Pilot assuming they meet all Pilot participation requirements.

# Submeter MDMA Will Qualify Customer For Pilot (Continued)

## Customers must:

- Have an active utility service account
- Charge an electric vehicle at that account
- Have an Interval Data Recorder (IDR) meter
- Have an approved submeter installed for the exclusive use of tracking the energy used to charge the electric vehicle
- Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer (i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service)
- Not have more than 19 submeters per primary meter
- Not have multi-level submeters

# Submeter MDMA Will Help Customer Complete Enrollment Agreement

- Agreement must be complete and accurate or it will be returned to the customer for resolution because it is a contract and cannot be altered by IOU.
  - All questions must be answered.
  - All blanks filled in – only exception is Section 2 “If Commercial Account (Provide if applicable).” Please print “NA” on street address line if your customer is a residential account.
  - The Primary Utility Electric Meter ID Number is located on the customer’s bill. If unable to locate, call the specific utilities for information.

# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

- Submeter MDMA Customer Enrollment Agreement questions? Refer to slide 49 for contact information.
- If the customer has enrollment questions, please refer them to the contact information located on page 1 of the Customer Enrollment Agreement.

# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

Sample Completed  
Agreement  
Page 2

## Authorization To Release Customer Information And Act On A Customer's Behalf

### INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

By signing this form to add the customer service account(s) set forth below, I, Customer, authorize my Agent (the Submeter MDMA) to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with my dates of enrollment in the Pilot. This authorization also provides authority to the Submeter MDMA to act on my behalf of request rate changes necessary to participate in the Pilot.

I (Customer) authorize my Submeter MDMA to act on my behalf to perform the following selected specific acts and functions:

- (1) Yes ☒ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 1).
- (2) Yes ☒ No ☐ Receive a copy of my monthly SCE bill for the duration of my participation in the Electric Vehicle Pilot (Phase 1).

Authorization is given for the period commencing with the date of execution of this Agreement until either the Pilot ends or I decide to terminate my participation. If I, Customer, wish to release additional information to my agent, Submeter MDMA, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit SCE Form (14-796).

Yes ☒ No ☐ I (MDMA) will provide UTILITY remitted payments to be credited toward (Customer's) account as part of my submetering service.

I understand that if my submeter MDMA provides remittance payments to UTILITY, I cannot participate in either the Level Pay Plan or Direct Pay Plan options offered by UTILITY for the duration of my participation in this Pilot. If I am already enrolled in one of these plans, I must unenroll for the duration of my participation in this Pilot.



# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

Sample Completed  
Agreement  
Page 2 Continued

## RELEASE OF ACCOUNT INFORMATION:

I (Customer), Thomas Edison (print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially bind the Customer of Record. I further certify that my Submeter MDMA, Best MDMA Company (print name of Submeter MDMA), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that SCE reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize SCE to release the requested information on my account or facilities to the above Submeter MDMA who is acting on my behalf regarding the matters listed above. I hereby release, hold harmless, and indemnify SCE from any liability, claims, demands, causes of action, damages, or expenses resulting from: 1) any release of information to my Submeter MDMA pursuant to this Authorization; 2) the unauthorized use of this information by my Submeter MDMA; and 3) from any actions taken by my Submeter MDMA pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

## REVOCATION:

Customer may cancel this Authorization at any time by contacting SCE at 3rdparty@sce.com. Consent from the Submeter MDMA is not required for Customer to cancel this Authorization. To the extent the Pilot expires or otherwise terminates, the Authorization granted herein will automatically be revoked regardless of whether the Customer submits a request to cancel the Authorization.

# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

Sample Completed  
Agreement  
Page 3

**Entire Agreement** This Agreement, together with the applicable EV Rate and Plug-in Electric Vehicle Submetering Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's participation in the Pilot, except for additional terms and conditions that are subsequently made a part of SCE's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between SCE and Participant pertaining to its subject matter.

## Section 1 Property Type (Check one)

☐ Detached Home (Residential) ☐ Multi-family Dwelling/Attached Home (Residential) ☐ Commercial (Business)

## Section 2 SCE Customer Account Information

2 - 1 2 - 3 4 5 - 7 8 9 0

Customer Account Number (Appears below your name on your SCE bill)

5 5 5 4 4 4 3 3 3

Primary SCE Electric Meter ID Number (Appears below the "Compare the Electricity You Are Using" header section on the first page of your bill; Enter 9s for non-metered service)

Edison Family

Thomas Edison

First and Last Name (As it appears on your bill)

Print Name

12345 Maple Leaf Drive

Anytown

CA

12345

Service Account Street Address

City

State

Zip

1 1 1 - 2 2 2 - 3 3 3 3

thomas.edison@anyemail.com

Telephone Number

Email (Address to be used for communications regarding Pilot)

not applicable

If Commercial Account: Business Name

Contact Name

Title

\* Alternate Mailing Address (Provide if applicable):

not applicable

Street Address

City

State

Zip

# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

Sample Completed  
Agreement  
Page 3 Continued

**Section 3** Submeter Information (If customer elects to have multiple submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters not allowed.)

1 2 3 4 5 6 7 8 9 0

Submeter unique identifier (Appears on the Submeter)

Date Submeter(s) installed: 09 / 01 / 2014

Expected charging demand (kW): 6.6 kW

3

Form 14-949

# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

Sample Completed  
Agreement  
Page 4

## **Section 4** Customer & Submeter MDMA Authorization

[This form must be signed by someone who has authority to financially bind the customer]  
[For example, CFO of a company or City Manager of a municipality]

**Thomas Edison**

Authorized Customer Signature

**Thomas Edison**

Authorized Customer Name (Print)

**1 1 1 - 2 2 2 - 3 3 3 3**

Telephone Number

Executed this **5th** day of **September** **2014** at **Anytown, CA**  
Month Year City and State Where Executed

\*\*\*\*\*

# Submeter MDMA Will Help Customer Complete Enrollment Agreement (Continued)

Sample Completed  
Agreement  
Page 4 Continued

I (**Submeter MDMA**), hereby release, hold harmless, and indemnify the Utility from any liability, claims, demand, causes of action, damages, or expenses resulting from the use of customer information obtained pursuant to this authorization and from the taking of any action pursuant to this authorization, including rate changes provided such utility action is consistent with applicable CPUC orders, tariffs and regulations.

**MDMA Agent**

Agent Signature

**MDMA Agent**

Agent Name (Print)

**Best MDMA Company**

Company Name

**11111 Oak Leaf Drive**

**Anytown**

**CA**

**12345**

Street Address

City

State Zip

**2 2 2 - 3 3 3 - 4 4 4 4**

**mdma.agent@bestmdmacompany.com**

Telephone Number

Email Address

Executed this **5th** day of **September** **2014**

Month

Year

# IOU Will Review Customer Enrollment Agreement

- IOU sends customer and Submeter MDMA acknowledgement email of receipt of Agreement.
- Agreements that are incomplete or inaccurate will be returned to the customer and Submeter MDMA for resolution.
- Customer has ten days to return updated Agreement or it is cancelled. The customer's spot is then available to others.
- Customer can reapply if cap is not reached and they have resolved their issue(s).
- IOU notifies customer and Submeter MDMA by email when customer is ineligible.

# IOU Will Review Customer Enrollment Agreement (Continued)

- IOU notifies customer and Submeter MDMA by email **confirming enrollment.**
- If Agreement is received at least five days before end of customer's billing cycle, participation begins at start of next billing cycle.
- Submeter MDMA is responsible for installing submeter and collecting interval data by start of billing cycle.
- Missing data after start of customer's participation will cause PEV charging to be billed at household rate.

# How The 6 Month Enrollment Period Will Work

Exclusivity Period: Months 1 – 3 (09.01.2014 – 11.30.14)

- Energy Division will allocate each Submeter MDMA's share of the 500 submeters per IOU which includes the limit of 100 NEM Accounts.
- Submeter MDMA's must report to IOUs on Friday of each week via email the balance of unenrolled customers available for enrollment until 450 customers have been enrolled.
- IOUs will notify Submeter MDMA's of remaining available spaces via email by Wednesday of the following week.



# How The 6 Month Enrollment Period Will Work

## Open Period: Months 4 – 6 (12.01.2014 – 02.28.2015)

- Decision 13-11-002 stated, “During this Open Period, beginning at the fourth month, Submeter MDMAs are able to enroll additional submeters on a first-come, first-served basis, reporting enrollments to the utility daily.”
- The ED, IOUs and MDMAs have informally agreed to the following reporting requirements:
  - Starting with 451<sup>st</sup> approved submeter, the Submeter MDMA must submit daily email updates to the IOUs reporting the balance of unenrolled customers/submeters available for enrollment.
  - In the event the MDMA has zero unenrolled customers for any given day, the MDMA is not required to submit a daily email update.
  - The failure of the MDMA to submit daily email updates will not be grounds for termination or any disciplinary action but could negatively impact customers who apply but are not approved to participate because the 500 submeter limit has been met.
  - IOUs will notify Submeter MDMA of remaining available spaces via email by Wednesday of each week.

# Reenrolling Customer Who Move During Pilot

- Customers **relocating within the service territory**:
  - Customer's Submeter MDMA must submit a separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period.
  - Customers are eligible to reenroll in the Pilot after the Enrollment Period.
- Customers **relocating to another IOU's service territory** may reenroll, as described above, if the IOU's 500 submeter limit has not been met.

# Reenrolling Customer When Submeter MDMA Service Is Terminated

- IOU will notify the customers of their involuntary termination.
- Customers will be allowed to complete the remainder of their Pilot participation period subject to completing the requirements to re-enroll with an alternative Submeter MDMA.
- IOU will effectuate any required rate and billing changes coincident with the start of the next billing cycle.

# Process When Customer Voluntarily Terminates Participation In Pilot

- Submeter MDMA or customer must report all Pilot program drop-outs to IOU within ten business days of disenrollment from the Pilot.
- IOUs will reach out to customers offering to discuss available rate options for customer's primary meter but may default customer's primary account to an applicable rate schedule as of the effective date of the drop out or change of address.
- Customers who drop out of this Pilot after enrollment will continue to be counted against the enrollment cap.

# Types Of Communication Customers (CC: Submeter MDMA) May Receive

## **PEV Submetering Phase 1 Pilot Email Letters:**

- Confirm receipt of Enrollment Agreement
- Inform customer of missing or inaccurate Agreement entry
- Inform customer they are ineligible
- Approve customer's participation with earliest start date
- End customer's participation in Pilot
- Remind customer in month 11 of end of Pilot
- Thank customer for Pilot participation

# Submeter MDMA Process

# IOU Data Testing and Schedule

- ED communicated number of submeters allotted to each Submeter MDMA per IOU on July 18.
- Submeter MDMA must contact IOUs to set up transfer testing after Submeter MDMA Registration Agreement is approved by the ED.
- Submeter MDMA must complete a Managed Transfer File (MTF) Service Request before testing can begin. (see appendix, page 52, for example)
- Submeter MDMA testing (including set up, testing and validation) is targeted to take approximately 2-3 weeks to complete after MTF is received.

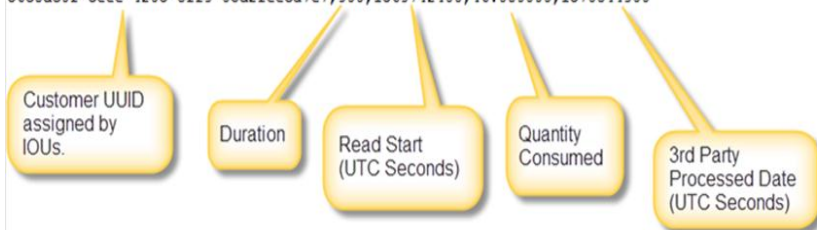
# Submeter MDMA

## Data Reporting and Transfer Requirements

### Minimal Transfer Requirement:

### CSV file (Spreadsheet) Data Format & File naming Structure

```
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369728900,40.640000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369729800,41.120000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369730700,43.040000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369731600,41.280000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369732500,39.840000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369733400,39.360000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369734300,40.000000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369735200,40.000000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369736100,39.200000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369737000,40.160000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369737900,40.000000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369738800,45.440000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369739700,45.280000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369740600,43.520000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369741500,38.880000,1370844900
36c8dc0f-ceee-4203-8ff9-05d2feeca7e7,900,1369742400,46.080000,1370844900
```



“MDMA-DUNS\_IOU-DUNS\_EVSP\_YYYYMMDDHHMMSS.CSV”

File Name Component	Component Description
MDMA-DUNS	The nine digit DUNS Number of the Submeter MDMA registered with the IOU and provided to the IOU as part of the Submeter MDMA's Registration process. (Format numeric 9, all formatting dashes omitted)
IOU-DUNS	The nine digit DUNS Number of the IOU and provided by the IOU as part of the Submeter MDMA Registration process. (Format numeric 9, All formatting dashes omitted)
EVSP	Hard coded “EVSP” to identify the file as part of the EV Submetering pilot application.
YYYYMMDDHHMMSS	The date and time the spreadsheet file was created by the Submeter MDMA, based on MDMA's local time as determined by MDMA. Purpose of this file name component is to determine time sequence of files sent from an individual MDMA.
Example file name: “987654321_123456789_EVSP_20130428245959.csv”	



# Submeter MDMA

## Data Reporting and Transfer Requirements

### Minimal Transfer Requirement:

### Provision of UUIDs to Submeter MDMAs

- Customer UUIDs are assigned by IOU after a Registered Submeter MDMA submits a valid Customer Enrollment Agreement to IOU.
- Customer UUIDs will be sent to the Submeter MDMA in a CSV file containing both the UUID and the corresponding Unique Submeter Device Identifier (aka, Submeter unique identifier) for the customer's service.
- Customer UUIDs are sent by encrypted email from IOU to the MDMA or by the EVSP Enrollment report.

# Submeter MDMA

## Data Reporting and Transfer Requirements

### CSV (Spreadsheet) File Minimum Data Transfer:

- No partial day data will be processed by the IOU
  - SCE and SDG&E expect 96 consecutive intervals in a day; PG&E expects 24 consecutive intervals in a day for Residential submeters and 96 consecutive intervals in a day for Commercial & Industrial submeters.
  - Missing interval data shall be represented with zero values.
- IOUs recommend daily file transfers
  - Daily file transfers may contain Date & Time records for multiple days.
  - Daily file transfers containing Date & Time records for multiple days, shall contain all expected consecutive intervals (e.g., no missing intervals or gaps in intervals).
  - Daily file transfers may contain repeated or corrected Date & Time records. IOU will use the most recently received and processed interval record(s), when billing the submeter data. IOU may not correct Date & Time records for intervals previously billed.
- Date & Time records should not be delayed by more than three days
  - Records delayed by three or more days may not be processed for billing, due to the Pilot requirement that meter data is to be sent 3 days after the customer's billing period ends.

# Submeter MDMA

## Data Reporting and Transfer Requirements

### Data Transfer Methods:

- Slightly different for each IOU
- Details for each IOU are in Submeter MDMA Registration Agreement, Attachment 2
- SDG&E's Data Transfer Method (see illustration below)
- Refer to Data Reporting and Transfer Requirements for complete IOU information

#### Files Inbound to SDG&E:

- 1) SSH2 RSA 2048-bit key. This is used for validating the sFTP Connection. SDG&E does not use Passwords.
- 2) MDMA's IP address
- 3) Filename(s)
- 4) Name, email, and telephone number of MDMA's connectivity contact person(s).

Once SDG&E receives the items above, then SDG&E's Network Team will set up the internal Firewall to accept MDMA files. SDG&E will provide the MDMA with a sFTP logon ID and other Details to start Connectivity Testing.

#### Files Outbound from SDG&E:

- 1) SSH2 RSA 2048-bit key. This is used for validating the sFTP Connection. SDG&E does not use Passwords.
- 2) Receive SDG&E's SSH Keys and IP address, one for testing and one for production.
- 3) Provide to SDG&E:
  - a. Server DNS, if possible one for testing and one for production.
  - b. Logon IDs for SDG&E, if possible one for testing and one for production.
  - c. Drop-off path for SDG&E, if possible one for testing and one for production.

If file encryption is required, SDG&E will provide the MDMA with SDG&E's PGP Public Key.

# Remittance Model

- Submeter MDMA meters and pays the bill associated with PEV load on behalf of the Customer of Record (COR) by sending a payment to the utility for the COR's account.
- COR retains sole responsibility for both the primary meter and submeter accounts and is subject to disconnect for non-payment.
- Submeter MDMA is not liable to the utility for the bill nor do they collect billing data from the utility.
- Customer may authorize the release of its monthly billing data to the MDMA to facilitate this arrangement.
- Some customer programs offered by the utilities are incompatible with the Remittance Model as discussed earlier.

# Submeter MDMA Termination for Performance

- IOU may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.
- IOU will notify Submeter MDMA in the event it fails to timely meet performance requirements for two consecutive billing periods.
- Absent corrective actions, if Submeter MDMA fails to timely meet performance requirements for a third consecutive month, IOU may petition Energy Division to terminate pilot participation by Submeter MDMA and its customers.
- See Submeter MDMA Agreement, Attachment 1, Performance Standards for Metering and Meter Data Management Agents.

# Incentive Payment Process

# Incentive Payment Process

- Once Submeter MDMA's are registered and approved by the ED, the IOUs will send Vendor Information form to set up incentive payments.
- Information needed for set up:
  - Payee Name
  - Payee Address / phone #
  - W-9
  - Bank account information
  - Is this business taxable?
  - DUNS Number
  - Tax ID
  - CA 590 (withholding exemption certificate)
  - Attach CA 587 (non-residence withholding allocation worksheet)

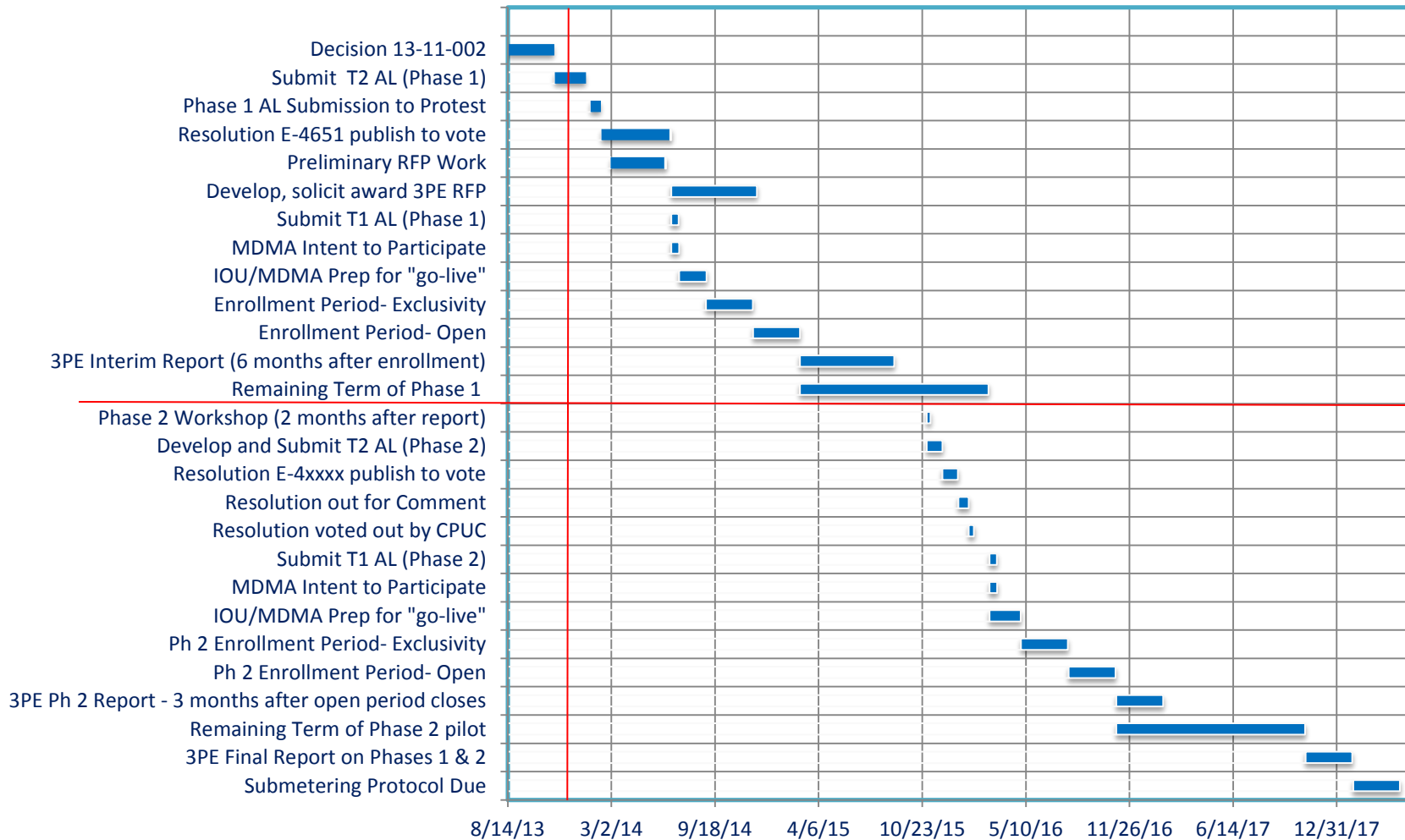
# Incentive Payment Process

- One Time \$210 Customer Enrollment Incentive
  - Once a customer completes enrollment, payment will be made within 60 days to Submeter MDMA.
- Monthly \$17.50 Submeter MDMA Services Incentive
  - Paid within 60 days of the first two successful billing cycles for a given customer, and within 30 days after successful billing cycles thereafter.
  - The 60-day period will also allow the utility to verify that the participating Submeter MDMA is providing MDMA services while accommodating the needs for participating MDMA.



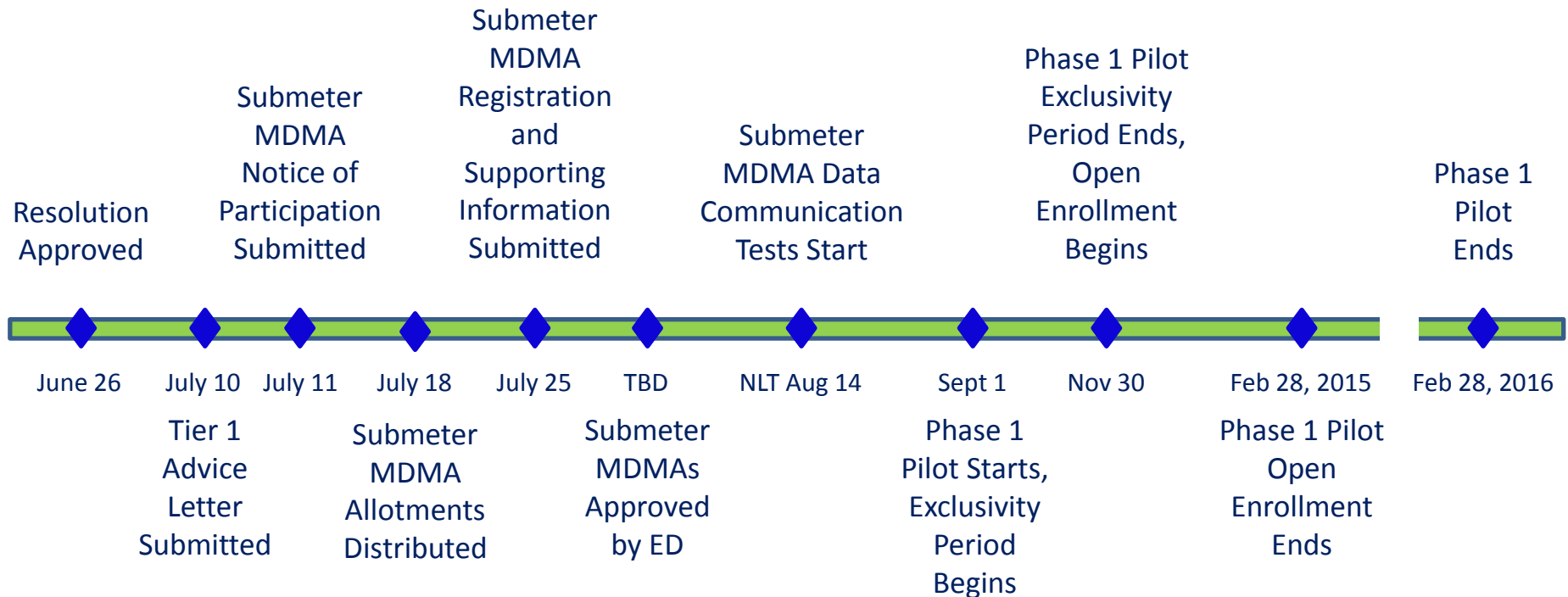
# Phase 1 & Phase 2 Timeline

# Phase 1 & 2 Pilot Schedule<sup>1</sup>



<sup>1</sup> See Appendix, pages 53-54, for specific dates

# Phase 1 Pilot Schedule



# Independent Evaluator

# Third Party Evaluator (3PE)

Provides an independent, impartial analysis of the pilot program throughout the three IOU service territories to ensure a consistent, thorough and fair evaluation of the program.

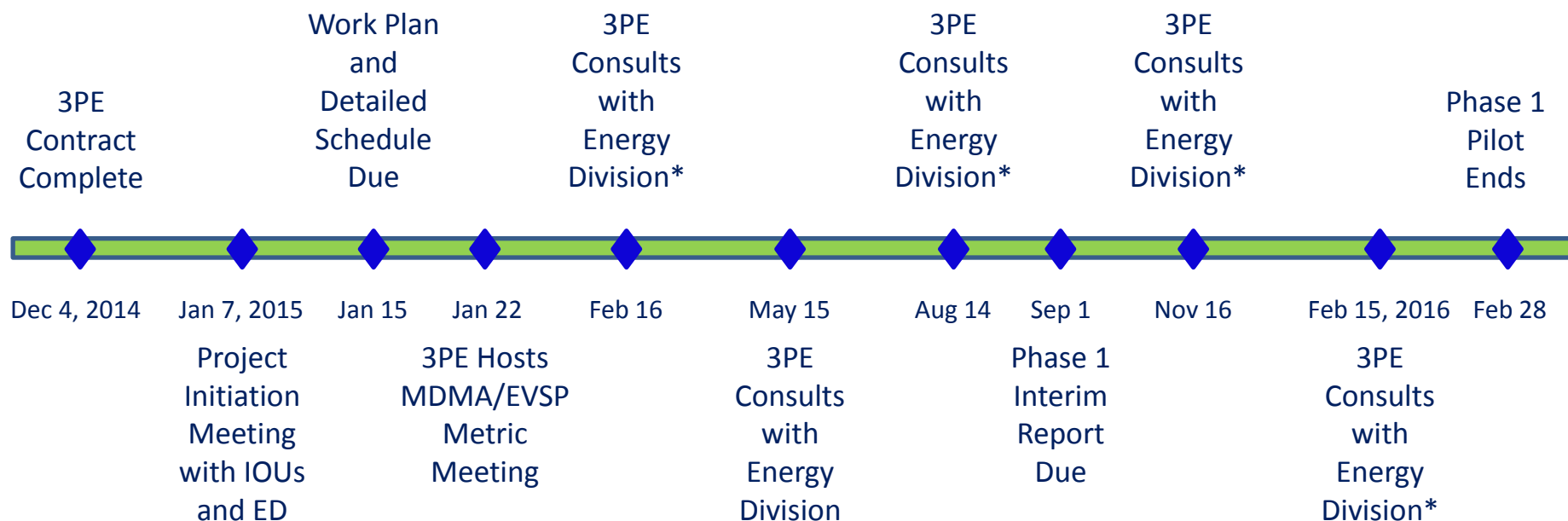
# Scope of Evaluation

- Customer satisfaction
  - with Submeter MDMA and IOU services provided
  - value of submetering arrangement, access to PEV tariffs
  - number, type, frequency of customer issues related to metering accuracy, and data accessibility
- Different submetering scenarios and Submeter MDMA/EVSP business models
- Costs of providing submetering services to customers
- Opportunities to expand submetering tariffs or programs including mobile submetering

# Status - Schedule to Contract 3PE

- July 21 - Contract Opportunity Announcement Posted  
[http://www.pge.com/includes/docs/pdfs/b2b/purchasing/bidopportunities/COA\\_Vehicle\\_Sub\\_Metering\\_Customer\\_Evaluation\\_-\\_Final.doc](http://www.pge.com/includes/docs/pdfs/b2b/purchasing/bidopportunities/COA_Vehicle_Sub_Metering_Customer_Evaluation_-_Final.doc)
- September 1 - RFP Published
- September 22 - Vendor Response Due
- October 27 - Vendor Selected
- December 4 - Contract Negotiated and Signed

# 3PE Deliverables - Phase 1



\* Tentative date for 3PE consults with ED



# IOU Points of Contact

# IOU Contacts

- **PG&E**

- Corey Mayers
  - Phone: 415.973.0335
  - [camb@pge.com](mailto:camb@pge.com)

- ***For Customer Enrollments:***  
[PEVSP@pge.com](mailto:PEVSP@pge.com)

- **SCE**

- Chetna Nanjappa
  - Phone: 626.302.2770
  - [chetna.nanjappa@sce.com](mailto:chetna.nanjappa@sce.com)
- Al Shepetuk
  - Phone: 626.302.0909
  - [alexander.shepetuk@sce.com](mailto:alexander.shepetuk@sce.com)

- ***For Customer Enrollments:***  
[EVSUBmetering@sce.com](mailto:EVSUBmetering@sce.com)

- **SDG&E**

- JC Martin
  - Phone: 858.654.1162
  - [EV@sdge.com](mailto:EV@sdge.com)

- Lisa Browy
  - Phone: 858.654.1566
  - [EV@sdge.com](mailto:EV@sdge.com)

- ***For Customer Enrollments:***  
[EV@sdge.com](mailto:EV@sdge.com)

# Q & A

(Discussed during the meeting and not part of the original presentation)

# Q&A

- *When will the advice letters be approved?* In a couple of weeks, however the Advice Letters are effective pending disposition. For purposes of the Submeter MDMA Registration Agreements, complete the forms available via the Advice Letters.
- *Are the advice letters on the website now?* Yes, the Submetering Pilot webpage on the CPUC website is now live:  
<http://www.cpuc.ca.gov/PUC/energy/altvehicles/Plug-In+Electric+Vehicle+Submetering.htm>
- *Is the performance agreement and the registration agreement the same?* Yes, they are the same. The MDMA performance standards can be found in attachment 1 of the registration agreement.
- *Do customers get a direct benefit from participating in the pilot?* Residential incentives are paid to the MDMA who have the option of sharing it with the customer. PG&E and SDG&E Commercial and Industrial (C&I) customers get a direct payment for participating in the pilot of \$20 per submeter per month. SCE customers do not receive this payment because SCE has a C&I PEV rate.
- *When is the deadline for filing IOU Advice letter protests?* July 29, 2014

# Q&A

- *Can customers already on an EV rate participate?* Customers can have one PEV rate per vehicle. To be on an EV whole house rate, you need to have a EV. So if participating in the pilot results in you not having a PEV on the EV whole house rate, you would not be eligible to continue on the EV whole house rate for the duration of the Pilot.
- *Can customers go back to your original tariff after the pilot?* Yes, provided it's still available. For some grandfathered tariffs, if you keep your home load on the original tariff you will be unaffected.
- *How will the NEM enrollment cap of 20% be enforced among the MDMAs?* To account for the 20% NEM cap, each MDMA will be limited to enroll 20% of their allotment with NEM customers. However, we will permit bilateral trades between MDMAs for NEM customer allotments, for those that wish to differentiate Enrollment strategy.

# Q&A

- *Does the MDMA need to email each utility every day during the enrollment period?* After the end of the exclusivity period, MDMAs must communicate new customer registrations on a daily basis. Failure to communicate with each utility daily would not be considered grounds for removal from the pilot. However, failure to timely report participants could result in customers not being eligible if the 500 total submeter limit for a given utility has already been reached.
- *What triggers a customer's Pilot enrollment?* Submitting the enrollment form and receiving confirmation of the customer's participation in the Pilot from the utility.
- *Can direct pay customers participate in the pilot?* Direct pay customers are eligible to participate in the Pilot UNLESS their MDMA is using the remittance model.
- *Can Community Choice Aggregator customers participate?* Yes. PG&E will be coordinating with both Marin Clean Energy and Sonoma Clean Power to facilitate the additional bill processing required for these customers.

# Q&A

- *Are there any minimum energy usage requirements for submeter data processing?* There were no minimum usage requirements. A specific interval could show “0” usage. MDMAs must send the “0” value to the utility.
- *The MDMA Registration Agreement requires the total number of submeters to be split between residential and commercial customers. Since these amounts could be estimates, are they binding?* They are only estimates and are not binding.
- *Will the IOUs be sending the vendor setup form online?* Yes.
- *Do the MDMAs fill out one registration agreement, or do they need to complete three separate agreements?* Each agreement is specific to each IOU, so the MDMA needs to fill out one registration agreement for each IOU. The Agreements are on the CPUC website and attached to the Advice Letters available on all IOU websites.
- *What is the plan for Pilot customer outreach?* The MDMAs are solely responsible for customer outreach and solicitation. The IOUs will support the Pilot by providing relevant Pilot information on their web sites.

# Q&A

- *When is information on the 3PE available?* The contract availability announcement became available July 21, 2014.
- *Who should I contact at the utility?* Contacts for each utility are listed on page 49
- *Will the CPUC publish MDMA contact information on the CPUC web site?*  
Yes, if authorized by the MDMA when the registration form is submitted.



# Appendix

# Managed File Transfer Service Request

Illustrative Form

Date: \_\_\_\_\_

## SCE Client Contact

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

Business Organization: \_\_\_\_\_

## Trading Partner Profile

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

## Transport Details

Protocol (FTPS / SFTP / HTTPS / AS2) \_\_\_\_\_ Port Number(s): \_\_\_\_\_

PGP Encryption (yes/no) \_\_\_\_\_

Production URL: \_\_\_\_\_

Production IP Address: \_\_\_\_\_

Test URL: \_\_\_\_\_

Test IP Address: \_\_\_\_\_

Trading Partner has an SFTP server (yes/no) \_\_\_\_\_

FTP Client being used (WS\_FTP/Core FTP/FileZilla/OpenSSH/Other) \_\_\_\_\_

Confidential Data (yes/no) \_\_\_\_\_ Financial Data (yes/no) \_\_\_\_\_

Multiple Files (yes/no) \_\_\_\_\_ File Size(s) \_\_\_\_\_

Frequency: Daily \_\_\_\_\_ Weekly \_\_\_\_\_ Monthly \_\_\_\_\_ Other \_\_\_\_\_

Schedule Details: \_\_\_\_\_

Transfer email notifications? Failed (yes/no) \_\_\_\_\_ Successful (yes/no) \_\_\_\_\_

Provide email notification distribution list: \_\_\_\_\_

Target Implementation Date: \_\_\_\_\_ Start Test Date: \_\_\_\_\_

Additional Details (anything not covered above that you'd like to point out)

\_\_\_\_\_

\_\_\_\_\_

## SCE Company Profile

Company Name: \_\_\_\_\_ Southern California Edison

Address: \_\_\_\_\_ 4910 Rivergrade Rd

\_\_\_\_\_ Irwindale, CA 91706

MFT Administrator: \_\_\_\_\_ Eason Xie

Phone: \_\_\_\_\_ 626-543-6389

Email Address: \_\_\_\_\_ Eason.Xie@sce.com

# Phase 1 Pilot Timeline

Event	Start Date	Completion Date or Max. Calendar Day Duration from Event or Start Date Noted
Decision 13-11-002		11/14/2013
Submit T2 AL (Phase 1)	11/13/2013	1/21/2014
Phase 1 AL Submission to Protest	1/21/2014	2/10/2014
Resolution E-4651 publish to vote	4/15/2014	6/26/2014
Preliminary RFP Work	3/1/2014	6/26/2014
Develop RFP, solicit, & award 3PE	6/26/2014	165 days
Submit T1 AL (Phase 1)	6/26/2014	14 days
MDMA Consider and File Intent to Participate	6/26/2014	15 days
IOU/MDMA Prep for "go-live"	Intent to Participate	9/1/2014
Enrollment Period- Exclusivity	9/1/2014	90 days
Enrollment Period- Open	12/1/2014	90 days
3PE Interim Report	3/1/2015	9/1/2015
Remaining Term of Phase 1	3/1/2015	2/28/2016

# Phase 2 Pilot & Remaining Items Timeline

Event	Start Date	Completion Date or Max. Calendar Day Duration from Event or Start Date Noted
Phase 2 Workshop	2 months after 3PE Report	7 days
Develop and Submit T2 AL (Phase 2)	2 months after 3PE Report	30 days
Resolution E-XXXX Start to Publish	Submission of T2 AL	30 days
Resolution Publish to Comments Due	Publish Date	20 days
Resolution Comment to vote	Comment Deadline	10 days
Submit T1 AL (Phase 2)	CPUC Vote	14 days
MDMA Consider and File Intent to Participate	CPUC Vote	14 days
IOU/MDMA Prep for "go-live"	CPUC Vote	60 days
Ph 2 Enrollment Period- Exclusivity	5/1/2016	90 days
Ph 2 Enrollment Period- Open	8/1/2016	90 days
3PE Phase 2 Report - 3 mo. post Open Period	11/1/2016	2/1/2017
Remaining Term of Phase 2 pilot	11/1/2016	10/31/2017
3PE Final Report on Phases 1 & 2	6 months after start of Open Period	1/31/2018
Submetering Protocol Due (if Authorized by future Decision)	Any time	3 months after 3PE Report Filed

# Presentation Changes

- Slide #3-9: Minor word-smithing for consistency of terms
- Slide #14: Updated slide # to 49
- Slide #15: Updated form #
- Slide #23: Moved last bullet re: 451<sup>st</sup> customer to next slide
- Slide #24: Added 451<sup>st</sup> statement and other informal agreements
- Slide #42: Minor word-smithing
- Slide #46: Updated first bullet
- Slide #47: Added quarterly meetings
- Slide #49: Updated SDG&E customer enrollment email
- Slides #51-55: Added Q&A recorded during presentation